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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Atty. Docket: BEN-SASSON=2B

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In re Application of:

Shmuel BEN-SASSON

Appln. No.: 09/736,076

Filed: December 13, 2000

For: SHORT PEPTIDES WHICH SELECTIVELY MODULATE THE

Conf. No.: 6540

Art Unit: 1646

Washington, D.C.

February 22, 2002

INFORMATION DISCLOSURE STATEMENT [IDS]

Honorable Commissioner of Patents and Trademarks Washington, D.C. 20231

Sir :

This Information Disclosure Statement is submitted in accordance with 37 CFR §§1.97, 1.98, and it is requested that the information set forth in this statement and in the listed documents be considered during the pendency of the above- identified application, and any other application relying on the filing date of the above-identified application or cross- referencing it as a related application.

[X] 1. This IDS should be considered, in accordance with 37 CFR §1.97, as it is filed:

(Check one of the boxes A-D)

[ ] A. within three months of the filing date of the above-identified national application or within three months of the entry into the national stage of the above-identified international application.

- [X] B. before the mailing date of a first office action on the merits.
- [ ] C. after (A) and (B) above, but before final rejection or allowance, and Applicants have made the necessary certification (box "i" below) or paid the necessary fee (box "ii" below).

(Check one of the boxes "i" and "ii" below:)

- [ ] i. Counsel certifies that, upon information and belief, each item of information listed herein was either
  - [ ] (a) first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS; or
  - [] (b) not cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of undersigned after making reasonable inquiry, was not known to any individual designated in \$1.56(c) more than three months prior to the filing of this IDS.
- [ ] ii. Credit Card Payment Form, PTO-2038, is attached authorizing payment of the fee set forth in \$1.17(p), presently believed to be \$180.00.
- [ ] D. after (A), (B) and (C) above, but before payment of the issue fee: Applicant(s) petitions under 37 CFR \$1.97(d) for consideration of this IDS. (use one and delete other of following and this note) A check (check no. \_\_\_\_) for/ Credit Card Payment Form, PTO-2038, is attached authorizing payment of the fee set forth in \$1.17(i), presently believed to be \$130 is enclosed. Counsel certifies

that, upon information and belief, each item of information listed herein was either

(Check one of the boxes "a" and "b" below)

- [ ] (a) first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS; or
- [ ] (b) was not cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the undersigned after making reasonable inquiry, was not known to any individual designated in \$1.56(c) more than three months prior to the filing of this IDS.
- [X] 2. In accordance with 37 CFR \$1.98, this IDS includes a list (e.g., form PTO-1449) of all patents, publications, or other information submitted for consideration by the office, either incorporated into this IDS or as an attachment hereto. A copy of each document listed is attached, except as explained below.

(check boxes A and/or B and fill in blanks, if appropriate)

- [ ] A. Document(s) \_\_\_\_\_\_ is (are) deemed substantially cumulative to document(s) \_\_\_\_\_\_, and, in accordance with \$1.98(c), only a copy of each of the latter documents is enclosed.
- [X] B. Documents AA-AW were previously cited by or submitted to the Office in the following prior application(s), which are relied upon under 35 U.S.C. 120:

08/861,338, filed May 21, 1997

Applicant(s) identifies these documents by attaching hereto a fresh PTO-1449 listing these documents, and request that they

	ed and made of record in accordance with \$1.98(d).
Per 37 CFR	§1.98(d), copies of these documents need not be
filed in th	is application.
[	] 3. Document(s) is (are) not in the
English lan	guage. In accordance with \$1.98(c), Applicant(s)
states:	
[	] An English translation of each document
	(or of the pertinent portions thereof), or a
	copy of each corresponding English-language
	patent or application, or English-language
	abstract (or claim) is enclosed.
[	] A concise explanation of the relevance of
	document(s) is found in the attached
	search report
	(see reply to Comment 68 in the preamble to the
	final rules; 1135 OG 13 at 20).
[	] A concise explanation of the relevance of
	document(s) is set forth as follows:
	(insert concise explanation of relevance)
ſ	] A concise explanation of the relevance of
L	document(s) can be found on page(s)
	of the specification.
r	
. [	] A concise explanation of document(s) can be found on the attached sheet.
	can be found on the attached sheet.
[	[X] 4. No explanation of relevance is necessary for
documents	in the English language (see reply to Comments 67
and 68 in t	the preamble to the final rules; 1135 OG 13 at 20).

examiner's consideration follows:

[ ] 5. Other information being provided for the

in re Appln. No. 08/09/736,076

## (insert other information)

6. In accordance with 37 CFR §\$1.97(g) and (h), the filing of this IDS should not be construed as a representation that a search has been made or that information cited is, or is considered to be, material to patentability as defined in \$1.56 (b), or that any cited document listed or attached is (or constitutes) prior art. Unless otherwise indicated, the date of publication indicated for an item is taken from the face of the item and Applicant(s) reserves the right to prove that the date of publication is in fact different.

Respectfully submitted,

BROWDY AND NEIMARK

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

Sheet

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Complete if Known				
Application Number	09/736,076	1 6		
Filing Date	December 13, 2000			
First Named Inventor	Shmuel BEN-SASSON	<u>C,                                     </u>		
Group Art Unit	1646	1		
Examiner Name		0		
Attorney Docket Number	BEN-SASSON=2B			

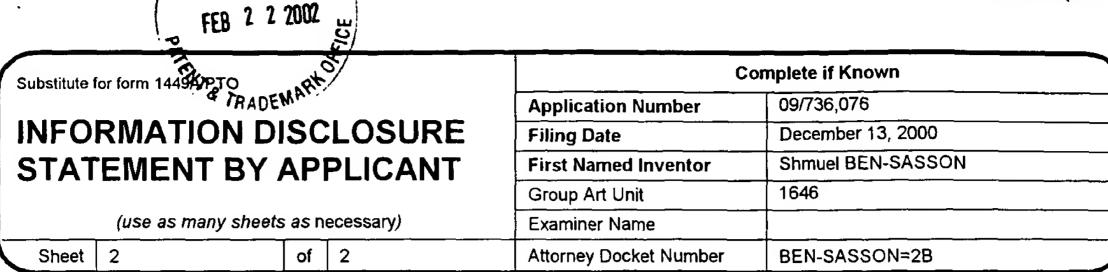
	FOREIGN PATENT DOCUMENTS							
		Foreign Patent Number		Name of Detentes of Applicant	Date of Publication	Pages, Columns, Lines,		
Examiner Initials*	Cite No.1	Office <sup>3</sup>	Number	Kind Code <sup>5</sup> (if known)	Name of Patentee or Applicant of Cited Document	of Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear	Т <sup>6</sup>
	AA	wo	93/16703	A1	Nambi et al	09-02-1993		
	AB	wo	97/14038	A1	Mochley-Rosen et al	04-17-1997		

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue numbers), publisher, city and/or country where published	
	AC	ALEMÁ et al, "Differentiation of PC12 phaeochromocytoma cells induced by v-src oncogene", Nature 316(6028):557-559 (1985)	2
	AD	BIRCHALL et al, "Ro 32-0432, a Selective and Orally Active Inhibitor of Protein Kinase C Prevents T-Cell Activation", <u>J Parmacol Exp Ther</u> 268(2):922-929 (1994)	22
	AE	BRADSHAW et al, "Therapeutic potential of protein kinase C inhibitors", Agents Actions 38(1-2):135-147 (1993)	
	AF	DUDEK et al, "Regulation of neuronal Survival by the Serine-Threonine Protein Kinase Akt", <u>Science</u> 275:661-665 (1997)	
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	AI	GHISO et al, "Binding of Cystatin C to C4: The Importance of Sense-Antisense Peptides in their Interaction",  Proc Nat Acad Sci USA 87(4):1288-1294 (1990)	
	AJ	GLOVER et al, "Polo-Kinase: The Choreographer of the Mitotic Stage?", <u>J Cell Biol</u> 135:1681-1684 (1996)	
	AK	HANKS et al, "The Eukaryotic Protein Kinase Superfamily in <u>The Protein Kinase Facts Book</u> , Vol. I, Hardie et al, eds., Academic Press, Chapter 2 (1995)	
	AL	HEMMINGS BA, "Akt Signaling: Linking Membrane Events to Life and Death Decisions", <u>Science</u> 275:628-631 (1997)	

Examiner	Date
Signature	Considered

<sup>\*</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.



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!	AM	HUBBARD et al, "Crystal structure of the tyrosine kinase domain of the human insulin receptor", Nature 372:746-753 (1994)	
	AN	KOHN et al, Expression of a Constitutitively Active Akt Ser/Thr Kinase in 3T3-L1 Adipocytes Stimulates Glucose Uptake and Glucose Transporter 4 Translocation" <u>J Biol Chem</u> 271(49):31372-31378 (1996)	
	AO	LANGE-CARTER et al, "A Divergence in the MAP Kinase Regulatory Network efined by MEK Kinase and Raf", Science 260:315-318 (1993)	
	AP	LOVRIĆ et al, "Activation of Mil/Raf protein kinases in mitotic cells", Oncogene 12:1109-1116 (1996)	7
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	AR	McMURRAY et al, "Cyclic peptide substrates of pp60c-src: synthesis and evaluation", Int J Pept Protein Res 42(3):209-215 (1993) (from Chem Abastracts 1993, Acc. No. 120:100177)	7001
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	AT	NISHIZUKA Y, "Protein kinase C and lipd signaling for sustained cellular responses", FASEB J 9:484-496 (1995)	
	AU	OKADA et al, "Synthesis of Gln-Val-Val-Ala-Gly, a common sequence of thiol proteinase inhibitors, and its derivatives. Relationship between structure and effect on thiol proteinases", Pept Chem 653-656 (1998) (from Chem Abstracts, 1998, Acc. No. 109:69322)	
11 - 16	1	SIMMONS et al, "Identification of an early-growth-response gene encoding a novel putative protein kinase", Mol Cel Biol 12(9):4164-4169 (1992)	
	AW	TAYLOR et al, "cAMP-dependent protein kinase defines a family of enzymes", Phil Trans R Soc Lond B 340:315-324 (1993)	-

Examiner	Date	
Signature	Considered	

<sup>\*</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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(use as many sheets as necessary)			Examiner Name		
Sheet 1		of 1	Attorney Docket Number	BEN-SASSON=2B	

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****	AX	KALLUNKI et al, "JNK2 contains a specificity-determining region responsible for efficient c-Jun binding and phosphorylation", Genes & Development 8:2996-3007 (1994)	i i
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